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POLAND / Organic Chemistry--Synthetic Organic G-2 Chemistry

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27503

Abstract: CH3CH(NO₂)CH₂OH(X). The reaction of IX with RCH₂NO₂ leads to the synthesis of the HC of VII.

O.1 mol III is treated with 0.15 mol IV, 0.5 gm NaHCO₃, and 0.1 mol II; at the termination of the exothermic reaction the solution is heated for 3 hrs at 60-65° and the resinous mass is washed with water; I are obtained (the product, yield in %, mp in °C (from alc), and the mp in °C of the hydrochloride (HC) are listed in that order): Ia, ~30, 50-51, 182 (decomp); b, 55, 59-60, 187 (decomp); c, 60, 69-70, 179 (decomp). 2 gms of I in 200 ml 80% alcohol are treated with 10 ml conc HCl, the solution is heated to boiling, and the solvent is distilled off, the last part of

card 3/6

112

POLAND / Organic Chemistry--Synthetic Organic G-2 Chemistry

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27503

Abstract: the distillation being parried out under vacuum; the HC of V is obtained. One gm of the HC of V in 15 ml water is treated with a calculated amount of NaHCO, and V is isolated (the product, amount of NaHCO, and the mp in °C (from 3:1 mp in °C (from alc), and the mp in °C (from 3:1 alc-acetone) of the HC and of the dibenzoyl alc-acetone) of the HC and of the dibenzoyl derivative (from aqueous alc) are listed in that order): a, 68-70, 169(decomp); 106-107; b, that order): a, 68-70, 169(decomp); 106-107; b, 177-79, 170 (decomp), 101-102; c, 79-81, 167 (decomp), 140-142. One gm of V is treated with a calculated amount of 2% VI and then with an excess of alcoholic HCl at O°, the solvent is distilled off under vaccum in the cold, and the HC of VII is isolated (the product and the mp in °C (decomp) are given): VIIa, 148; VIIb, 160;

card 4/6

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POLAND / Organic Chemistry--Synthetic Organic G-2 Chemistry

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27503

Abstract: VIIc, 162. 0.5 gm of the HC of VII is treated with a small quantity of water and a calculated amount of NaHCO3, is added; VIII is separated (crystallization from ether) (the product and mp in OC (decomp) are given): VIIIa, 61-63; b, 95-97; c, 97-99. The action of 1 ml conc HCl on 0.1 gm VIII liberates NO2; evaporation to dryness yields the HC of VIII. 5 mmols VII in 50% alc are treated with 15 mmols IV, the solution is made alkaline with NaHCO3, and allowed to stand a few days; I is obtained. 0.03 mol IIIa or IIIb is treated with 2 ml CH3OH or dioxane, 0.03 mol II is added, and the solution is allowed to stand a few days at ~20°; Vb or Vc is

Card 5/6

113

POLAND / Organic Chemistry--Synthetic Organic G-2

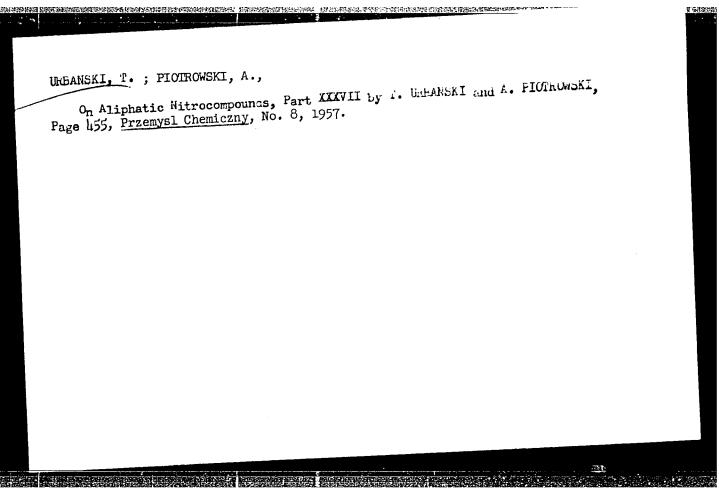
Chemistry

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27503

Abstract: obtained, yield 80-90%: 0.01 mol X in CH30H is treated with a calculated amount of IX and the solution is allowed to stand in the cold for a few hours; Va is obtained, yield ~20° [sic]. a few hours; Va is obtained, yield ~20° [sic]. 0:05 mol IX and 0.05 mol nitroparaffin in 5 ml dioxane are allowed to stand for several hrs at ~20°, the solvent is evaporated, the residue is dissolved in acetone, and alcoholic HCl is added; the HC of VII is obtained in yields of ~80-85%.

-- V. Skorodumov

Card 6/6



URBANSKI, T.

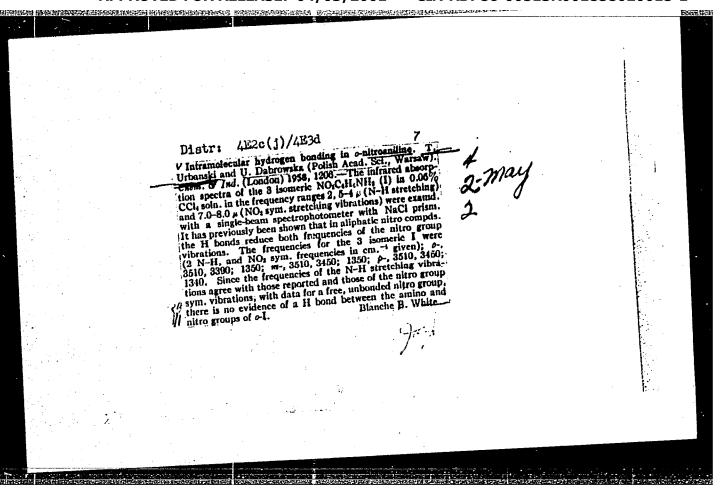
J. Alkiewicz, Z. Eckstein, H. Halweg, P. Krakowka, T. UKBANSKI: "Fungistatic Activity of Some Hydroxamic Acids," Nature, Vol. 180, No. 4596, (London) 30 November 1957, pp. 1204-1205. Published from the Department of Dermatology, Municipal Hospital No. 1, Poznan; Department of Chemistry, Institute of Technology, Warsaw; and, Laboratory of Mycology, Institute of Tuberculosis, Warsaw.

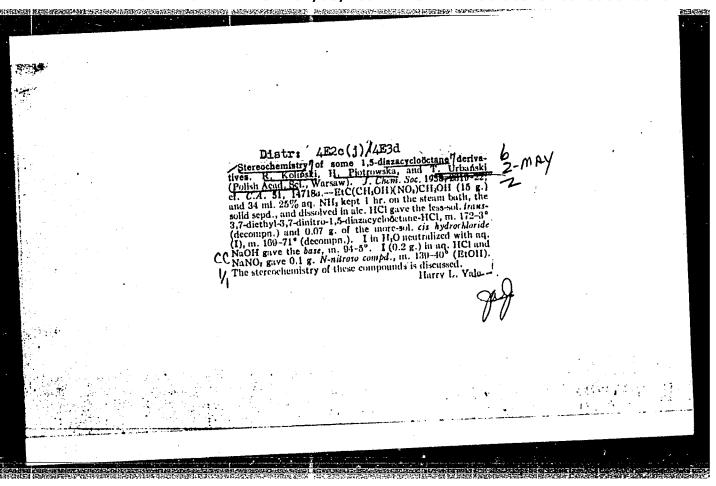
URBANSKI, TADEUSZ.

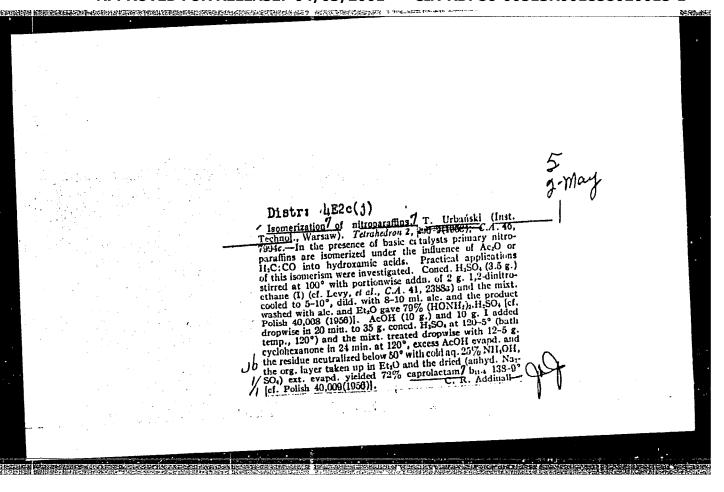
TECHNOLOGY

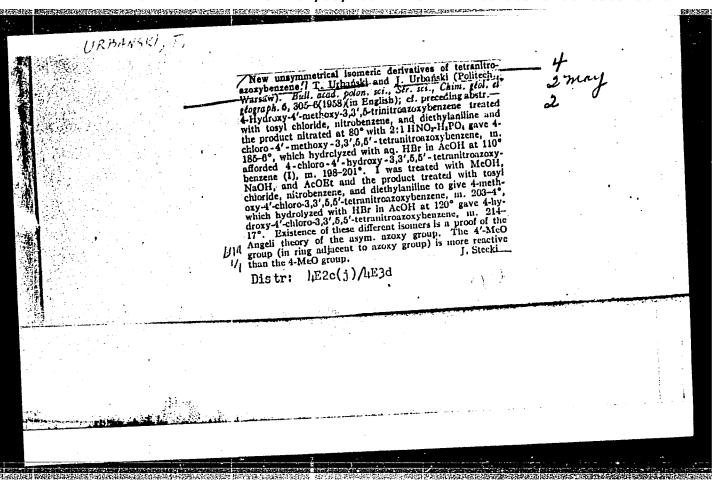
URBANSKI, TALEUSZ. Chemie a technologie vybusin. Prel. Zdenek Dolezel a Lusan Jakes. Praha, Statni nakl. technicke literatury. Vol. 2, 1958. 285 p.

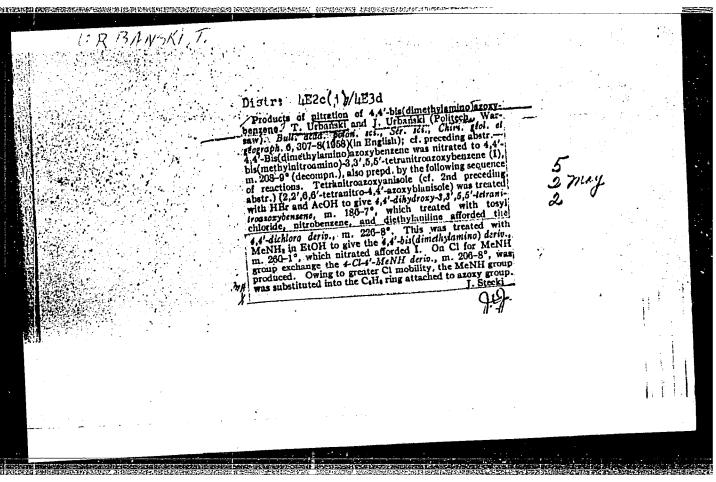
Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

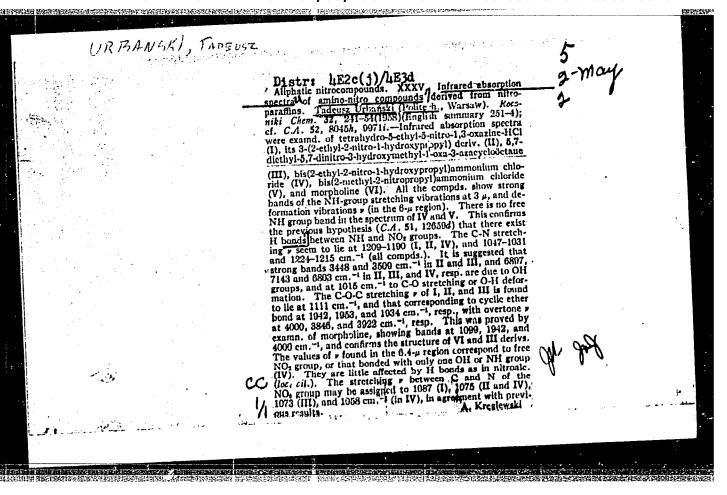


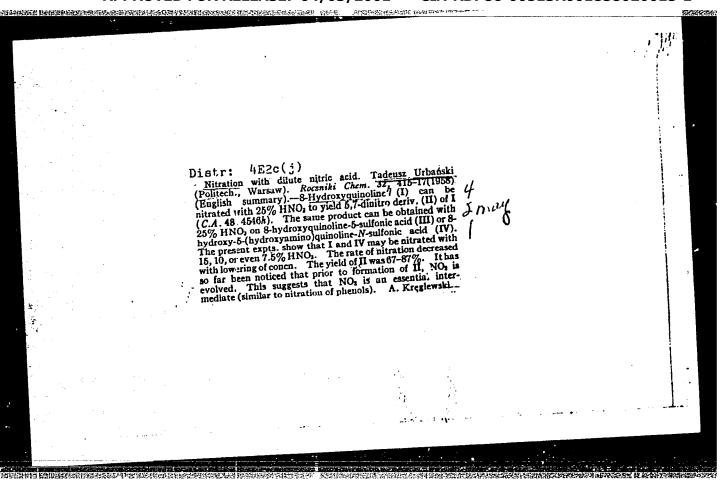












URBANSKI, T.

"The chemotherapy of tuberculosis"

p. 225 (Kosmos, Seria B; Przyroda Nieozywiona, Journal on natural sciences with the exception of biology issued by the Copernicus Society of Polish Naturalists, Vol. 4, no. 3, 1958, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

. Urbanski, T.

POLAND/Organic Chemistry. Organic Synthesis.

G-2

Abs Jour & Ref Zhur-Khimiya, No 9, 1959, 31392

: Szyc-Lewanska, K., Urbanski, T. Author

: AS Poland. Inst

: Contribution to Chemistry of Cyclonite. On Nitration of Hexamethylenotriperoxidediamino Title

(HMTDA).

Orig Pub : Bull. Acad. polon. sci. Ser. sci. chim., geol. et geogr., 1958, 6, No 3, 165-167, XIII.

Abstract: With a view to confirm the assumption concerning the formation of trimethylenetrinitranine (cyclonite) (I) in the nitrolysis of compounds containing the CH₂N group,

a similar reaction was carried out with hexa-

: 1/3 Card

POLAND/Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 31392

methylenetriperoxidediamine (II). CH₂O (III) and HCOOH (IV) together with I were revealed in the products of nitrolysis of II, and the absence of O₂ was proved. Accordingly, the summary reaction equation must be as follows: II + NH₄NO₃ (V) + 2NO₂ — I + III + IV + 2H₂O₂ · 2.5 g of II and 4.2 g of V are added in small amounts to the selution of 3.5 g of II in 25 g of HNO₃ (d = 1.5), the mixture is allowed to stand (several minutes at 80-82° and 12 hours at O°), and I is filtered off, yield of I 26 percent, melt. p. 203-205°. III and IV are separated from the filtrate as the 2,4-dinitrophenylhydrazone and benzylthiouronic salt respectively.

Card

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POL/ND/Organic Chemistry. Organic Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 31392

The absence of 0_2 in the separating gases is determined by the negative reaction with safranine. So Gurvich

Card : 3/3

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POLAND/Chemical Technology. Chemical Products and Their Applications. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20704

Author : Eckstein, Z., Halweg, H., Krakowka, P., Urbanski, T.

Inst : AS Poland.

Title : The Fungistatic Activity of 3,4-Dichlorophenoxyacethydroxamic Acid on Pathcgenic Fungi in Vitro.

Orig Pub : Bull. Acad. polon. sci. Ser. sci. chim. geol. et geogr., 1958, 6, No 4, 235-238,

Abstract: Tests of the fungicidal activity of hydroxamic acids by the method of "cylinders" with Candida albicans 102, Cryptococcus neofor-

Card : 1/3

POLAND/Chemical Technology. Chemical Products and Their Applications. Pesticides.

Н

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20704

mans 30, Trichophyton gypseum 768, T. rubrum 3346, T. violaceum 3905, T. schoenleini and 2,5-dichlorphenoxy- and 2-methyl-4-chlorphenoxy- and 2-methyl-4-chlorphenoxyacethydroxamic acids inhihit the growth of all tested species except C. albicans; alpha and beta-naphtoxyacethydroxamic acids suppresed the growth of fungi of the Trichophy-ton family; 5-nitro-2,4-dichlorphenoxyacethydroxamic acid is active against the latter droxamic acid is non-active against the latter droxamic acid is non-active. 3,4-dichlorphenocof 0.005-0.25 ml/g suppresses the growth of

Card : 2/3

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POLAND/CL

POLAND / Organic Chemistry. Synthesis. Abs Jour: Ref Zhur-Khimiya, No 7, 1059, 23268 G Author : Urbanski, T.; Tarantowicz, W. Inst : Academy of Sciences, Poland Title On the Preparation and Some Properties of Butyne-Orig Pub: Bull. Acad. polon. sci. Ser. sci. chim., geol. et geogr., 1958, 6, No 5, 289-292, XXIII. Abstract: NO₂OCH₂C CCH₂ONO₂ (II) was synthetized by nitrating OHCH2C CCH2OH (I) and converted into I acetate (III). 20 g of I is added to 83 ml of the mixture (2:3) of HNO3 (d = 1.50) and concentrated H2SO4 at 18-220; 20 min. later it is cooled to 50 and poured into 750 g of ice, and II is extracted with ether, yield 70-75%, n25D = 1.4732, d20 = 1.408. 6 g of Card 1/2

POLAND / Organic Chemistry. Synthesis.

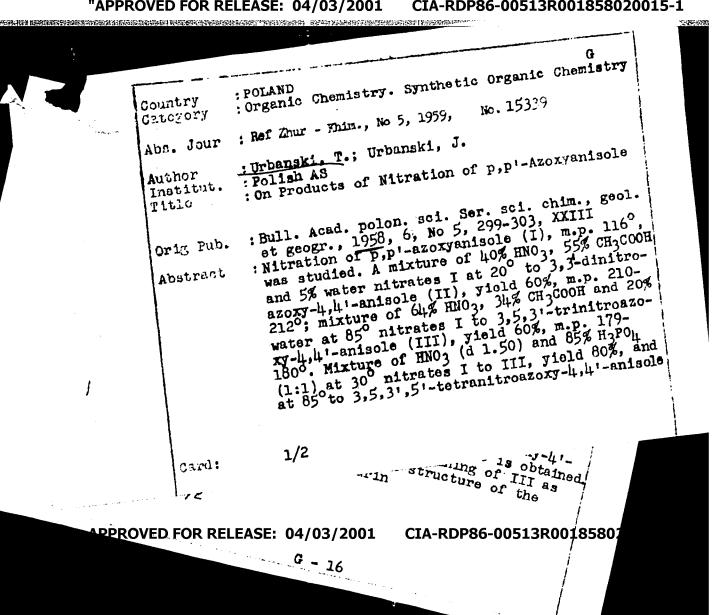
G

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23268

Abstract: Zn dust is added to 2 g of II in 25 ml of (CH₃CO)₂O in the duration of 45-60 min. letting dry HCl to pass through, all is poured out on ice, and III is obtained, melt. p. 30° (from ether). II causes a strong headache, and it explodes if stricken or if it gets on a hot surface (245-380°); as far as the force of explosion is concerned, III does not differ from nitrates containing the same relative amount of O₂. -- V. Tynyankina

Card 2/2

6-1



POLAND / Organic Chemistry. Synthesis.

G

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23335

Author: <u>Urbanski, T.</u>; Urbanski, J. Inst: Academy of Sciences, Poland

Title : On Some New Unsymmetrical Isomeric Derivatives of

Tetranitroazoxybenzene.

Orig Pub: Bull. Acad. polon. sci. Ser. sci. chim., geol. et

geogr., 1958, 6, No 5, 305-306, XXIV

Abstract: The preparation of two pairs of isomeric asymmetric

derivatives of 3,5,3',5'-tetranitroazoxybenzene RR'(NO₂)-C₆H₂N(O)=NC₆H₂(NO₂)₂R" (I. R = 5-NO₂, a R' = OCH₃, R" = Cl; b R' = Cl, R" = OCH₃; c R' = OH, R" = Cl; d R' = Cl, R" = OH) is described. Their existence is a new confirmation

of the theory of Angeli (Angeli A., Jazz. chim. ital., 1916, 46, (2), 67) concerning the asymmetric

Card 1/3

POLAND / Organic Chemistry. Synthesis.

G

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23335

Abstract: structure of the azoxy group. I (R = 5-H, R' = OCH3, R" = OH) is treated with p-CH3C6H4SO2Cl in the presence of C6H5NO2 and C6H5N-(C2H5)2, the produced I (R = 5-H, R' = OCH3, R" = Cl) (Ie) is nitrated (80°) with a mixture of HNO3 and H3PO4 (2:1), and Ia (melt. p. 185-186°) is obtained. By the saponification (HBr acid, CH3COOH, 110°) of Ia, Ic is produced melt. p. 198-201°. Ic is treated with NaOH solution in CH3OH in the presence of ethylacetate, and Ib (melt. p. 203-204°) is obtained from the produced I (R = 5-NO2, R' = OH, R" = OCH3) similarly to Ie. Id, melt. p. 214-217°, is obtained by saponification of Ib similarly

Card 2/3

4-6

POLAND / Organic Chemistry. Synthesis.

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23335

Abstract: to Ic (1200). The great reaction capacity of the OCH3 group in Ia as compared with Ib is noted.

OCH3 group in Ia as compared with Ib is noted.

Card 3/3

URBANSKI, T.; URBAMSKI,J.

On products of nitration of bis-4,4°-(dimethylamine)-agoxybenzene.

(EEAI 9:7)

Bul Ac Pol chim 6 no.5:307-308 '58.

(Biedimethylaminoazoxybenzene)

(Nitration)

POLAND / Organic Chemistry. Synthesis.

G

Abs Jour: Ref Zhur-Llimiya, No 7, 1959, 23323

Author: Semenczuk, A.; <u>Urbanski, T.</u>

Inst: Academy of Sciences, Poland: Academy of N,2,4,6-Tetranitromethylaniline
Title: On Preparation of N,2,4,6-Tetranitromethylaniline

with Fuming Nitric Acid in Presence of Inert

Organic Solvents.

Orig Pub: Bull. Acad. polon. sci. Ser. sci. chim., geol., et geogr., 1958, 6, No 5, 309-311, XXIV.

Abstract: The nitration of C6H5N(CH3)2 (I) by the action of

 HNO_3 (d = 1.52) (II) in the presence of the solvents CHCl3, CH2Cl2, CCl4 or C2H2Cl4 proceeds

smoothly and results in N,2,4,6-tetranitromethylaniline (III). The solution of 6 g of I in 75 g aniline (III).

of CHCl3 is added dropwise to the solution of 75 g

Card 1/2

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POLAND / Organic Chemistry. Synthesis.

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23323

Abstract: of II in 75 g of CHCl3 and the mixture is heated to 40°. After the separation of NO2 has discontinued, the temperature is raised to 61° and, after the distillation of the solvent, to 80° (until the color of the substance becomes light-orange). 50 ml of water is added and III is obtained, yield 98%, melt. p. 129°. If the nitration has been carried out in C₂H₂Cl₄, the solution of III in II is separated by decantation, yield of III = 92%. -- v. Zaretskiy

Card 2/2

6-2

UHBANSKI

POLAND/Physical Chemistry - Molecule. Chemical Bond. B-4

Abs Jour: Referat Zhur - Khim, No. 9, 1959, 30152

Eckstein, Z., Kraczkiewicz, T., Sacha, A., Author

Urbanski, T.

: Polish Academy of Sciences Tnst

: Note on the absorption Spectra of 2-Nitro-2-(1'-cyclohexenyl)- and 2-Nitro-2-(1'-cyclohepte-Title

nyl)-1-p-chlorophenylethylene

Bull Acad Polon Sci, Ser Sci Chim, Geol, et Geograph, 1958,6 No 5, 313-318, XXIV-XXV Orig Pub:

The absorption spectra of 2-nitro-2-(1'cyclohexenyl)- (I) and 2-nitro-2-(11-cycloheptenyl)-Abstract:

1-p-chlorophenylethylene (II) have been investigated in the UV region (2000-4500 A) and in the IR region (2-14/4). The spectra of I and II are very similar. The 3030 (2985) cm-1

Card 1/3

POLAND/Physical Chemistry - Holecule. Chemical Bohd. B-4

Abs Jour: Referat Zhur - Khim, No. 9, 1959, 30152

has been correlated with the intraplanar deformation vibrations of the ethylenic CH group. The 826 cm-1 band, which is characteristic for the deformation vibrations of the CH group in trisubstituted cis-ethylenes, confirms the cisconfiguration of I and II. This configuration is apparently stabilized by the presence of the olefinic rings in both molecules. The synthesis of II is described. -- V. Koryazhkin

Card 3/3

SLOPEK,S.; MORDARSKA, H.; MORDARSKI,M.; URBANSKI,T.; SKOWRONSKA-SERAPIN,B.;

On antineoplastic activity of some guantidine derivatives in vitro. Bul Ac Pol chim. 6 no.6:355-359 '58. (EEAI 9:6)

1. Institute of Immunology and Experimental Therapy, Polish Academy of Sciences. Institute of Organic synthesis (Warsaw), Polish Academy of Sciences, Institute of Tuberculosis, Warsaw. Presented by T.Urbanski. (Guantidine) (Antigens and antibodies) (Tumors) (Cells)

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SLOPEK, S.; MORDARSKA, H.; MORDARSKI, M.; URBANSKI, T.; GURNE, D.

On antineoplastic activity of some 1,3-oxazine derivatives in vitro. Bul Ac Pol chim. 6 no.6:361-363 '58. (ERAI 9:6)

1. Institute of Immunology and Experimental Therapy (Wroclaw), Polish Academy of Sciences. Institute of Organic Synthesis (Warsaw), Polish Academy of Sciences. Institute of Tuberculosis, Warsaw. Presented by T. Urbanski. (Antigens and antibodies) (Tumors) (Cells)
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URBAUNI.T.; SKOWRCHNKA-SERAFIH.B.; STEFABIAK.L.; VRBULET.J.; JAHOWIEC.M.:

JAKINOWSKA.K.; URBAUNKA.A.

On iso-nicotinoylhydraxone of ethyl acetylacetate and its antituberculous activity. Bul Ac Pol chim. 6 no.8:475-179 158.

(REAI 9:6)

1. Institute of Tuberculosis, Warsaw. Technical University
(Politechnika), Warsaw. Communicated by T.Urbanski.

(Isonicotinoylhydraxone)

(Sthyl acetoacetate)

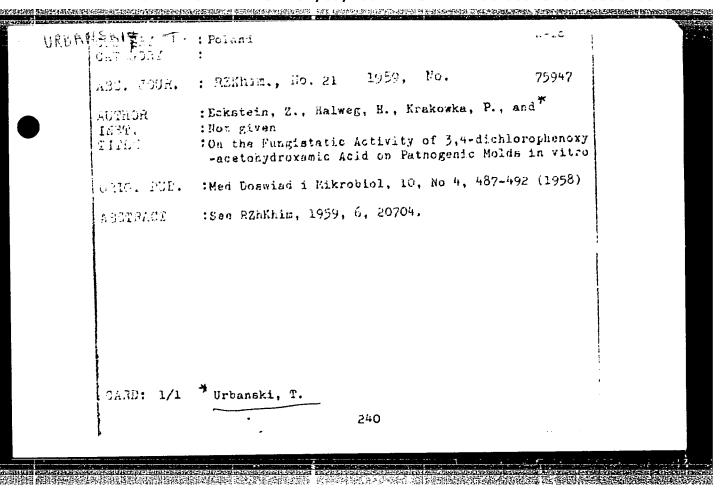
(Tuberculosis)

On the sensitiveness of 2,4,6-trinitrotoluene to impact. Bul Ac Pol chim 6 no.10:617-620 '58. (REAI 9:6) 1. Department of Organic Technology, Technical University (Politechnika), Varsaw, Presented by T.Urbanski. (Trinitrotoluene) (Explosives)

ECESTEIN, Z; SACHA, A.; SOROTES, W.; Urbancki, T.

On preparation and properties of 1-cyclooctenylnitromethane. Bul Ac Pol chim 6 no.10:621-624 '58. (KEAI 9:6)

1. Institute of Organic Synthesis, Polish Academy of Sciences. Institute of Pharmacy, Warsaw. Presented by T. Urbanski. (Mitromethane) (Cyclooctene) (Cyclooctanone) (Olefine)



POLAND/Physical Chemistry - Molecule. Chemical Bond.

B

Abs Jour : Ref Zh

: Ref Zhur Khimiya, No 19, 1959, 67057

Author

Urbanski, Tadeusz

Inst

orbanski, ia

Title

: Aliphatic Nitro Compounds. XXXV. Concerning the

Infrared Spectra of Amino Nitro Compounds Derived from

Nitroparaffins.

Orig Pub

: Roczn. chem., 1958, 32, No 2, 241-254

Abstract

Infrared absorption spectra of certain derivatives of 1- and 2-nitropropane containing sec- and tert-amino groups and hydroxyl groups. Study of the valence-vibration absorption region of N-H bonds confirms the earlier stated assumption that a hydrogen bond may arise between the nitro and amino groups. The latter hydrogen-bond

Card 1/2

- 6 -

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POL D. D. Comistry - Holecule. Chemical Bond.

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Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67057

formation has little effect on the frequency of asymmetric and symmetric valence vibrations of NO2. The small decrease in the NO2 (symm.) is explained by steric factors. A band of the C-O-C group at lill cm-1 was identified in the spectra of compounds containing the 1,3-exazine of the 1-exa-3-ezacyclectane ring. See Communication XXXIII in RzhKhim, 1959, No 8, 27503. -- V. Aleksanyan

Card 2/2

经国际共和 13年国际和农民主义的特别的大学的对外的对外的对外的对外的对外的对外的一种一种对于他的一个大学的一种的一种,

: POLAND Country : Organic Chemistry. Synthetic Organic Chemistry Catogory Ro. 15351 Abs. Jour : Ref Zhur - Khim., No 5, 1959, : Mikulski, J.; Eckstein, Z.; Urbanski, T. Author Institut. Title : On the Problem of Synthesis of Herbicides. VI. Synthesis of 2-Aryloxyethylamines and Their Derivatives : Roczn. chem., 1958, 32, No 3, 661-666 Oris Pub. : As a result of further search of active herbi-Abstract cides (report V, see Ref Zhur-Khim, 1958, 32402), a series of ArOCH2CH2NHCOR (I) was synthesized. By the interaction of Arona and BrCH2CH2Br (II), ArOCH2CH2Br (III) is obtained. By the urotropine method, III is transformed into ArOCH2CH2NH2 (IV); under the influence of RCOOC₂H₅ (V), I is obtained from IV. 1.1 moles of NaOH in 180 ml. of water are slowly poured 1/6 Card:

Country G Category Abs. Jour : Ref Zhur - Khim., No 5, 1959, Mo. 15351 Author Institut. Title Ori; Pub. : into 1.1 moles of 2,5-Cl₂C₆H₃OH in 400 ml. of Abstract water and 1.2 moles of II during boiling, and boiled for five hours; III is extracted with cont'd. ether, Ar = 2,5-Cl₂C6H₃ (IIIa), yield 45%, b.p. 150-152°/3 mm. III is obtained analogously (Ar, yield in %, b.p. in °C./mm., n²O_D, d²O are given): C6H₅, 42, 112-113/4, 1.5525, 1.3555; 2-CH₃C₆H₄ (IIIb), 61, 118-120/3, 1.5444, 1.2900; 2-CH₃-4-Cl₆H₂, 40, 138-140/3.5, 1.5600, 1.3166; 2,4-Cl₂C₆H₃, 60, 147-149/4,

Gate	ntry : cgory : . Jour : Ref Zhur - Khim., No 5, 1959, No. 15351
Aut Ins Tit	tieut. :
ada	stract :1.5785, 1.5929; 2,4,5-Cl ₃ C ₆ H ₂ , 45, 158-160/2, -, 1.05 moles of IIIb in 200 ml. of CHCl ₃ are added to 1.1 moles of (CH ₂) ₆ N ₁ (VI) in 600 ml. of CHCl ₃ at 50°, and heated for four hours at 45°; 90% of IIIb·VI is separated out, m.p. 172-173° (from chloroform). Similarly, with slight alterations, IIIa·VI is obtained, yield 80%, m.p. 176-179° (from chloroform). 0.56 mole of IIIb·VI is poured into 460 g. of concentrated HCl and 700 ml. of CH ₃ OH, mixed
Car	rá: 3/6

Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15351 Author : Institut. : Title : Abstract : at 40° for four hours, the solvent is distill off, the residue is alkalized by NaOH and IV extracted with ether, Ar = 2-CH ₃ C ₆ H ₁ , yield 62; b.p. 90-91°/2 mm.; hydrochloride (HC), m.p. 212-213°. Analogously, from the corresponding III.VI, IV is synthesized (Ar, yield in %, b. in °C./mm., m.p. in °C. of HC are given): C ₆ H ₁ 45, 101-103/4, 215-216; 2-CH ₃ -4-ClC ₆ H ₃ , 58, 136-138/2, 165; 2,4-Cl ₂ C ₆ H ₃ , 51, 164-165/3, 188-191; 2,5-Cl ₂ C ₆ H ₃ , 42, 162-164/4, 253-254;	Country Category	;	G
Institut.: Title: Orig Pub.: Atstract: at 40° for four hours, the solvent is distilled off, the residue is alkalized by NaOH and IV extracted with ether, Ar = 2-CH ₃ C ₆ H ₁₁ , yield 62° b.p. 90-91°/2 mm.; hydrochloride (HC), m.p. 212-213°. Analogously, from the corresponding III.VI, IV is synthesized (Ar, yield in %, b.) in °C./mm., m.p. in °C. of HC are given): C ₆ H ₁₅ , 101-103/4, 215-216; 2-CH ₃ -4-ClC ₆ H ₃ , 58, 136-138/2, 165; 2,4-Cl ₂ C ₆ H ₃ , 51, 164-165/3,		: Ref Zhur - Khim., No 5, 1959, No. 15351	
Abstract : at 40° for four hours, the solvent is distilled off, the residue is alkalized by NaOH and IV extracted with ether, Ar = 2-CH ₃ C ₆ H ₁ , yield 62% b.p. 90-91°/2 mm.; hydrochloride (HC), m.p. 212-213°. Analogously, from the corresponding III.VI, IV is synthesized (Ar, yield in %, b.) in °C./mm., m.p. in °C. of HC are given): C ₆ H ₁ 45, 101-103/4, 215-216; 2-CH ₃ -4-ClC ₆ H ₃ , 58, 136-138/2, 165; 2,4-Cl ₂ C ₆ H ₃ , 51, 164-165/3,	lnstitut.	: :	
contid. off, the residue is alkalized by NaOH and IV extracted with other, Ar = 2-CH ₂ C ₆ H ₁ , yield 62 b.p. 90-91°/2 mm.; hydrochloride (HC), m.p. 212-213°. Analogously, from the corresponding III.VI, IV is synthesized (Ar, yield in %, b. in °C./mm., m.p. in °C. of HC are given): C ₆ H 45, 101-103/4, 215-216; 2-CH ₃ -4-ClC ₆ H ₃ , 58, 136-138/2, 165; 2,4-Cl ₂ C ₆ H ₃ , 51, 164-165/3,	Orig Pub.	:	
		off, the residue is alkalized by NaOle extracted with ether, Ar = 2-CH ₃ C ₆ H ₁ , b.p. 90-91°/2 mm.; hydrochloride (HC 212-213°. Analogously, from the corruiti-VI, IV is synthesized (Ar, yield in °C./mm., m.p. in °C. of HC are git 45, 101-103/4, 215-216; 2-CH ₃ -4-Cl ₂ C ₆ H ₃ , 51, 164	# and IV : yield 629), m.p. esponding in %, b.; ren): C6H; H3, 58, -165/3,

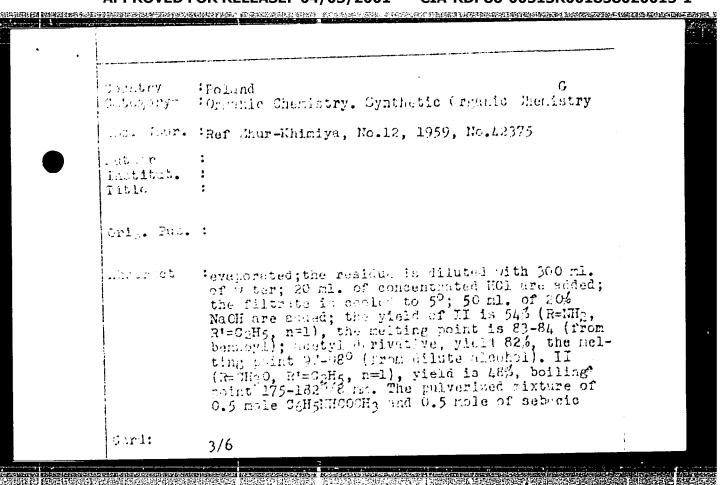
Country (dategory): Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15351 Author : Institut. : Title : Oris, Pub. : Abstract :2,4,5-Cl ₃ C ₆ H ₂ , 49, 168-171/5, 244-246. 0.02 mole of V, R=Cl ₂ CH or Cl ₃ C, in 5 ml. of alcohol, is added to 0.015 mole of IV in 5 ml. of alcohol, heated at 60-70° for two hours, and I is separated out (Ar, R, yield in %, m.p. in °C. are given): C ₆ H ₅ , CHCl ₂ , 75, 85-86; C ₆ H ₅ , CCl ₃ , 77, 63-64; 2-CH ₃ C ₆ H ₄ , CHCl ₂ , 90, 93-94; 2-CH ₃ -C ₆ H ₄ , CCl ₃ , 90, 74-75; 2-CH ₃ -4-ClC ₆ H ₃ , CCl ₃ , 67, 86-87; 2,4-Cl ₂ C ₆ H ₃ , CHCl ₂ , 70, 106-107; Cará: 5/6		The Control of the Co	
Author : Institut. : Titlo : abstract :2,4,5-Cl ₃ C ₆ H ₂ , 49, 168-171/5, 244-246. 0.02 mole of V, R=Cl ₂ CH or Cl ₃ C, in 5 ml. of alcohol, is added to 0.015 mole of IV in 5 ml. of alcohol, heated at 60-70 for two hours, and I is separated out (Ar, R, yield in %, m.p. in °C. are given): C ₆ H ₅ , CHCl ₂ , 75, 85-86; C ₆ H ₅ , CCl ₃ , 77, 63-64; 2-CH ₃ C ₆ H ₄ , CHCl ₂ , 90, 93-94; 2-CH ₃ -C ₆ H ₄ , CCl ₃ , 90, 74-75; 2-CH ₃ -4-ClC ₆ H ₃ , CCl ₃ , 67, 86-87; 2,4-Cl ₂ C ₆ H ₃ , CHCl ₂ , 70, 106-107;	1	:	G
abstract :2,4,5-Cl ₃ C ₆ H ₂ , 49, 168-171/5, 2h4-246. 0.02 mole cont'd. of V, R=Cl ₂ CH or Cl ₃ C, in 5 ml. of alcohol, is added to 0.015 mole of IV in 5 ml. of alcohol, heated at 60-70° for two hours, and I is separated out (Ar, R, yield in %, m.p. in °C. are given): C ₆ H ₅ , CHCl ₂ , 75, 85-86; C ₆ H ₅ , CCl ₃ , 77, 63-64; 2-CH ₃ C ₆ CH ₄ , CHCl ₂ , 90, 93-94; 2-OH ₃ -C ₆ H ₄ , CCl ₃ , 90, 74-75; 2-CH ₃ -4-ClC ₆ H ₃ , CCl ₃ , 67, 86-87; 2,4-Cl ₂ C ₆ H ₃ , CHCl ₂ , 70, 106-107;	Author Institut.	: Ref Zhur - Khim., No 5, 1959, :	ко. 15351
Cará: 5/6	abstract	C ₆ H ₁₁ , CCl ₂ , 90, 74-75; 2-C	H ₃ -4-C1C ₆ H ₃ , CC1 ₃ ,
	cará:	5/6	

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- -	: Ref Zhur - Khim., No 5, 1959, No. 15351
Oriz Pub.	:
Abstract cont'd.	: 2,4-Cl ₂ C ₆ H ₃ , CCl ₃ , 75, 67-68; 2,5-Cl ₂ C ₆ H ₃ CHCl ₂ , 90, 120-121; 2,5-Cl ₂ C ₆ H ₃ , CCl ₃ , 95 97-98; 2,4,5-Cl ₃ C ₆ H ₂ , CHCl ₂ , 80, 137-138; 2,4,5-Cl ₃ C ₆ H ₂ , CCl ₃ , 78, 116-117 V. Skorodumov

l dundry dutonor/=	Folund Organic Chemistry. Synthetic Organic Chemistry	
Lar. Jour.	*Ref Mhur-Ehimiya, No.12, 1959, No.42375	
Institut.	Belžecki, Czeslaw; U <u>rbeński</u> , Tudeusz Not given Thiosomicarbozones of Keto Acids. II. Thiosomicarbozones of Arcylaliphatic Acids.	
ori . Pas.	Roman. chem. 1958, 32, No.4, 769-778	
.batroot	A series of PH2CREE=3(C6H4R-4) (CH2)RCCOR* (I) was synthesized for the purpose of producing tuberculostatically active compounds. O.1 mole PH2CREEH2 in 10 ml. of boiling outer is added to a boiling solution of O.1 mole 4-RJ6H4CO (CH2)RCCOR* (II) in 10 ml. of alcohol. The mixture is boiled for 0.5-0.6 hours with a few drops of HC1 added; (I) is then obtained. (The article cites R,R*,n, yield in % and melting point in C3 (from alcohol) as follows):	
la.rl:	1/6	:

exament running contractions in the research for the research Country : Poland : Organic Chemistry. Synthetic Organic Chemistry Category Abs. Jour. : Ref Chur-Khiniya, No.12, 1959, No.42375 author Institut. Pitt Criz Pub. CH3CONH, H, O, 85, 199 (decomposition); CH3O, H, O, 75, 163-164 (decomposition); NH2, C2H5, 1, 65, 182 (decomposition); CH3CONH, C2H5,1,63,152 (decomposition); CH3C, C2H5, 1, 62, 123-124 (decomposition); NH2, H, 2, 35, 126 (decomposition); NH2, H, 2, 35, 126 (decomposition); NH2, H 8 (Ia), 54, 127; CH3C, H, 8 (Ib), 42, 113, C.1 mole 4-NO2C6H4COCH2CCOC2H5 in 500 ml. of shealant CM3CH are hydrogenated for 4 hours over Abstract absolute CH36H are hydrogenated for A hours over 0.3 g of PtO2 at 40-450; the filtrate is 2/6 C. rr.:

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Country :Poland Organic Chemistry, Synthetic Organic Chemistry Gategory Abs. Jour. : Ref Chur-Khimiya, No. 12, No. 42375 Author institut. T1515 Criz Pub. ipolyanhydride is poured into the suspension of 1.5 moles AlCl3 in CS2 at 0-5°; the temperature is raised to about 40°; the mixture is abstract stirred for 3 hours and then set out for 48 hours at about 20°; the reaction product is decomposed with ice and HCl; the residue is dissolved in 70 g of MaHCO3 in 1.2 liters of water; the filtrate is acidified with CH3COOH; the residue is boiled for 15 minutes with 200 ml. of 10% HCl; 50 ml. of saturated CH3CC ONa are added 4/6

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G.toporya : Organic Charletry. Synthetic Organic Charletry
Los. Jour. : Ref Chur-Khimiya, No.12, No.42375
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(from benzoyl). All (I) products in the concentrations of 1.5-12.5% ng are active against fycobacteria BOG or H37Rv, but are inactive architect. Securations. The tuberculostatic activity of compounds containing the CH30 group is somewhat higher than the tuberculostatic ectivity of compounds containing the NH2 group. The length of the alignatic chain apparently has no
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Country (Polond Originic Theristry, Synthetic Originic Chemistry abs. Jour. Ref Chur-Khimiya, No.1., 1959, Mo.42375

Author : Institut. : Titl:

Crig Fub. :

Abstrict (decisive significance, However Ia, b have a high tuberculestatic activity. Introduction of the CoOM group considerably lowers (to about 1/360) the tuberculestatic activity in vitro. See report I in Ref Chur-Khimiya, 1958, No.10, 32371. -- V. Skorogumov.

是国际主题的主义,对于特别的企业的主题,可以对于中国的主义,可以可以对于中国的主义,不可以对于中国的主义。这个人,不可以不是一个人,不可以不是一个人,但是这个人, 第一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,不是一个人,不是一个人,我们就是一个人,我们就是一个人,我们就是一个人

Country Poland G-2 Category Abs. Jour : 45885 Author : Belzecki, C. and Urbanski, T. Institut. : Not given Titlo : Thiosemicarbazones of Keto Acids. III. Thiosemicarbazones of Ethyl Esters of Aroylacetic Acids and Their Derivatives. Orig Pub. : Roczniki Chem, 32, No 4, 779-787 (1958) : In the course of the search for new antitubercular Abstract agents the authors have syntherized a series of compounds having the structure RCSNHN=C(R)CH, COO-C2 H5 (I). When I are heated or dissolved in NH, OH cyclization to 1-thioformamido-3-aryl-5-pyrazolones (II) occurs. A number of 3-aryl-5-parazolones (III) and 3-aryl-5-isooxazolones (IV) have also been prepared. O.1 mol RCOCH, COOC, H, (V) in hot alcohol is treated rapidly with O.1 mol NH, CSNHNH2 (VI) in 10 mol water, the solution is Card: 1/8

4-2 ! Poland Country Category +5865 Abs. Jour **A**uthor Institut. Title Orig Pub. : refluxed 0.5-6 hrs with the addition of several Abstract drops of HCl (acid), and the I which separates is recrystallized from alcohol (method A). A mixture of V and VI (O.1 mol each) is ground in a mortar, fused at 105-115° until the fouring stops, the melt is mixed with water, and the precipitate is recrystallized from alcohol (method B). The following I were obtained (R, the method used, and the decomp temp in °C are given in that order): 4-NO2 C6 H4, A, 170-172; 4-18 H2 C6 H4, Card: 2/8

G-2 : Polund Country Category 45885 Abs. Jour Author Institut. Title Orig Pub. : B, 182; 4-CH, CONHC, H, B, 152; 4+CH, OC, H, (Ia), Abstract A, 123-124; 4-BrC₆ H₄ (1b), A, 172-175; dyl, A, 155; -pyridyl, A, 169-170. V and VI (0.1 mol each) are ground and funed by method A, at first at 105° and then, when the fosming has ceased, the temperature is raised to 10-15° below the mp of the given I; the increase in temperature is accompanied by renewed foaming; the temperature is raised an additional 10-20° and maintained at that level until the complete Card: 3/8

Country Poland G-2 Category 45885 Abs. Jour **Author** Institut. Title Orig Pub. Abstract : cessation of foaming, and the melt is ground with water and II and recrystallized from alcohol. When method B is used, 0.1 mol I in a ten-fold excess of liquid paraffin is heated to a temperature 5-10° above the mp of the given I; at the completion of the melting of I and the termination of the reaction, II separates out; the latter is isolated and washed with ether. The aryl group, method, and decomp temp in °C are given in that order for the following II:

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Author	4588	15
Institut.	; •	
Title	:	-
Orig Pub.	:	
Abstract	: 4-NO ₂ C ₆ H ₄ , B, 264-268: 4-NH ₂ C ₆ H ₄ , A, 224-226; 4-CH ₅ CONHC ₆ H ₄ , A, 259-261: 4-CH ₅ CC ₆ H ₄ , B, 165; 4-BrC ₆ H ₄ , B, 251: β-pyridyl, A, 256; √-pyridyl A, 222-223. U.l mol V in a ten-fold excess of alconol is treated with 0.5 mol N ₂ H ₄ ·H ₂ O and heated for 15 min to give III, yield 50-75% (the aryl group and the decomp temp in °C (from alc) are given in that order): 4-NO ₂ C ₆ H ₄ , 238-259; 4-NH ₂ C ₆ H ₄ , 255-256; 4-CH ₃ CONHC ₆ H ₄ , 261-265; 4-CH ₃ OC ₆ H ₄ , 222-225; 4-BrC ₆ H ₄ , 248-249; β-pyridyl	
Card: 5/3		

Country Poland G-2 Category Abs. Jour 45885 Author Institut. Title Orig Pub. : 259-260; d -pyridyl, 278-279. O.1 mol V in 100 ml CH, OH is refluxed and 0.15 mol NH, OH in 100 ml Abstract CH, OH are added quickly, the colution is allowed to stand 24 nrs in the refrigerator, the Na salt of the enol-form of IV is washed with OH, OH, dissolved in water, and the colution is acidifical with dil CH, COCH to give 20-40% IV (the aryl group and decomp temp in °C (from alc) are given): 4-NO2 C6 H4 , 161-165; 4-NH2 C6 H4 , 182; 4-CH3 CONHO6 H4 , 190: 4-CH, OC, H, , 143: 4-BrC, H, , 141-143: \$ -pyri-Card: 6/8

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Abs. Jour	:	*	45885
Author	:		
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Orig Pub.	:		
Abstract	;	the tests of the tuberd in vitro on M. tuberdul BCg as well as on M. sn Among the I prepared, I most accurate. The con to be more active than	yl, 199. The results from culostatic activity (TSA) losis strains H37Rv and megmatis are reported. In and Ib were found to be appounds IIa, b were found the correspondingly subtin TSA is observed when
		the NH CS group is remo	oved: No correlation could fect of the p-substituent

Country Category	: Poland :	G-2
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Muthor Institut. Title	<u>:</u> : :	
Orig Pub.	:	
Abstract	: and the TSA of III. The gous to that of III. Fo RZhKhim, No 12, 1959, 42	r Communication II see

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Country Category	: Poland 45876	
Abs. Jour	Urbanski, T., Serafinowa, P., and Stefaniak, L.	
Author Institut. Title	• Not given • The Preparation of Diacylhydrazines from Regretation of Diacylhydrazines	
orig Pub.	Roczniki Chem, 32, 110 4, 957-961 (1998)	
Abstract	tinic acid hydrazide (II) with acetoacetic ester tinic acid ester tinic	
	mp 260-261°; the reaction is accompanied by the mp 260-261°; the reaction is accompanied by the mp 260-261°; the reaction is accompanied by the mp 260-266°	
<i>t</i>	pyrazolo-(4',3'-5,6)- (X-pyrone, mp 243-245) pyrazolo-(4',3'-5,6)- (X-pyrone, mp 243-245) (from alc). IV is also prepared in 70-78% yields (from alc). IV is also prepared in 70-78% yields (from alc). IV is also prepared in 70-78% yields (from alc). IV is also prepared in 70-78% yields (from alc). IV is also prepared in 70-78% yields (from alc). IV is also prepared in 70-78% yields (from alc). IV is also prepared in 70-78% yields	

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Country Category=	Poland G Organic Chemistry. Synthetic Organic Chemistry
Jos. Jour.	Rer Zhur-Khimiya, No.12, 1959, No.42379
Tintitut. Tible	Sobotha, Wieslw; Mokstein, Mygmunt; Urbański, T. Not given Contribution to the Problem of Cynthesizing Herbicides. VII Osters or Aryloxyacetic Acids with Aliphatic Mitroalcolols. Rocan. chem., 1958, 32, No.4, 963-970
Lessrict	The following three groups of the esters of aryloxyacetic acids and alighatic nitroalcohols were synthetized: (2, 4, 5-Cl ₃ C ₆ H ₂ -OCH ₂ COOCH ₂)-1 ₂ C(YO ₂)R (I), substitution 1,3-dioxane (II) and ROCH ₂ CooCH(CCl ₃)CH ₂ HO ₂ (III). (I) is obtained by the action of RCCH ₂ COOl (IV), where R= =1,1,5-Cl ₃ C ₆ H ₂ (IVa), on RC(NO ₂) (V) in CHOl ₃ in the presence of pyridine (method a). (II) is synthetized by the action of IV on the corresponding alcohols in pyricine (method B).
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Country Cotogory	: Poland G : Organic Chemistry. Synthetic Crannic Chemistry
bs. Jour.	: Ref Ehur-Khimiya, No.12, 1959, No.42379
Author Institut. Pitlo	: : :
Orij Pub.	:
Abstract	: R* 0- CH2COOCH2OR II
	III cannot be obtained by methods A and B but is formed by the reaction of RCCH_CCCl (VI) with NO2CH2CH(CCl3)OH (VII). (II) (R=2,4,5-Cl3C6H2,R'=R"=CH3) (IIa) under the action of alcohol. HCl opens the ring, forming 2,4,5-Cl3C6H2CCH2CCCCH2C(NO2) (CH2OH)2 (VIII). 0.02 mole V and C.04 mole IVa in 40 ml. of CHCl3 and 12 ml. of C5H5N are heated at 500 for 30 minutes; the

Consistry Cutogory: Polend Cutogory: Organic Chemistry. Synthetic Crannic Chemistry Cha. Jour.: Ref Chur-Khimiya, No.12, 1959, No.42379 Chatter: Institut.: Title: Chip. Fub.: Chip. Fub	2 1 1 1 1	
Control of Common Control of Common Control of Control		2/6
Institut. Title (The article cites R, yield in G, and the mel- ling point in GO (from alcohol) as follows): 2,4,5-013C6H20CH2,20,108; C1, 25, 113; Br, 22, 2,4,5-013C6H20CH2,20,108; C1, 25, 113; Br, 22, 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	gatogory=	* Organic Chemistry. Synthetic Cremic one istry
Institut. Title: (The article cites R, yield in G, and the mel- ting point in GO (from alcohol) as follows): 2,4,5-013C6H20CH2,20,108; C1, 25, 113; Br, 22, 2,4,5-013C6H20CH2,20,108; C1, 25, 125; C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125; C.03 mole IV 105; CH3, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	lbs. Jour.	Ref Chur-Khimiya, No.12, 1959, No.42379
:(The article cites R, yield in G, and the mel- ting point in CO (from alcohol) as follows): ting point in CO (from alcohol) as follows): 2,4,5-C13C6H2CCH2,2O,108; C1, 25, 113; Br, 22, 2,4,5-C13C6H2CCH2,2O,108; C1, 25, C.O3 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 106; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 107; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 108; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 138; C2H5, 17, 125. C.O3 mole IV 109; CH3, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17	institut.	: : :
2,4,5-Cl3CeH2OCH2,20,108; Cl, 25, 113; Br, 22, 2,4,5-Cl3CeH2OCH2,20,108; Cl, 25, 113; Br, 22, 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 107, 108; CH3,	Srij. Pub	
	_basrast	2,4,5-013C6H20CH2,20,108; C1, 25, 113; Br, 22, 2,4,5-013C6H20CH2,20,108; C1, 25, 113; Br, 22, 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 17, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 138; C2H5, 17, 125. C.03 mole IV 105; CH3, 138; C1, 125. C.03 mole IV 105; CH3, 138; C1, 125; C1,

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Abo. Jour. : Ref Zhur-Khimiya, No.12, 1959, No. 42379

Author :
Institut. :
Title :

Crig. Pub. :

Abstract : removed in vacuum; the residue is extracted with other; the extract is flushed with water;
III is separated. (The article cites R, yield in % and the melting point in CO (from patrolemum ether ethylacetate) as follows):2,4-Cl2C6H3.

(IIIa), 28, 65 (2,4-Cl2C6H3OH2COC6H3Cl2C2',4'
is obtained together with IIIa);2,4,5-Cl3C6H2;
30, 80. 14 moles of IIa in 30 ml. of electoric HCl are boiled for 5 minutes, then poured into 300 ml. of NaHCO3; the yi ld is one g of VIII,

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Country : Poland Greenistry. Synthetic Organic Chamistry

Abs. Jing. : Ref Chur-Khimiya, No.12, 1959, No.42379

Author : Institut. : Title :

Orig Pub. :

Abstract : the melting point is 80-82 (from chloroform).

IIb and IIIa proved to be nost significant from the standpoint of herbicide activity. See Report VI in Ref Zhur-Khimiya, 1959, No.5, 15351. -- V. Shorodurov.

The comment of the co Organic Chemistry - Theoretical Organic COUNTRY CATEGORY Chemistry 195), 50. 80430 ABS. JOUR. : AZKhim., Lo. 24 : Kolinski, R.; Hotrowska, R.; Urbannai, Te AUTHOR : Reactions of Aliphatic Mitrocompounds. XXXVII TP.ST. On Stere ochemistry of Derivatives of TITLE 1,5-Diazacyclo-Uchane. ORIG. PUB.: Roczn. chem., 1958, 32, No 6, 1289-1300 : 3,7-Dialayi-3,7-dialaro-1,5-diazagyele-yetaks (I) form only monceilerides (MC) and none-M-mitrosc-uctivatives (MD). This is due to the presence of internal increase bond, which is confirmed by infrared spectrum. Calculations and measurements of magnitude of dipole momenta (MM) show that in cis-, as well as in trans-1 (where mayn) = Cong, is and To, respectively) the eight-hermened ring of 1,7-diaga-cyclo-octane has the form of a 'crown". Calculations and measurements of LDM also show that the melecule of 3,7,10triethyl-3,7,10-trinitro-1,5-liazanicyclo-(3,3,3,-unledune (II), ecusisting of two condinced rings of 1,9-diamegolo-octane, has the form of a require chilin. Infrared spectrum CARD: 1/3

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ABS. JOUR. : RZKhim., No. 1959, No. 26436

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ABSTRACT : data are given for in, n, 1, ink, 1 = 0h, or and interest conformations. Spatiesis of in, ito NO, and ND has been conformations. Spatiesis of in, ito NO, and ND has been conformations. Spatiesis of in, ito NO, and ND has been conformations. Spatiesis of in, ito NO, and ND has been conformations. Spatiesis of in, ito NO, and ND has been conformations. Spatiesis of NO, (NO, 20h, 2 in 0.7) and to 127-confidence out. O.1 mole Col.; (NO, 20h, 2 in 0.7) and to 127-confidence out. O.1 mole Col.; (NO, 20h, 2 in 0.7) and the represented by according to the confidence of NO of in, n, is separated by recrystallization from alcoholi, and there are isoluted 6.7% recrystallization from alcoholi, NO, in her isoluted (see Communication XXX, Nokkhim., 1959, No. 1; resh which 11737), to set 1.3 g of mixture of NO of In, n, fresh which CARD: 2/3

CCUNTRY : Folan.

CATEGORY:

ABS. JOUR. : AZMhim., No. 1950, No. 2056

AUTHOR:
INST. :

TITLE:

ORTH. PUB. :

ABSTRACT : are is shitted him in. Fich NC of in is obtoined the Is base, NF S4-S5°(from the of in decise). Use a local time of in a small adjunct of vater, are relative with 10% solution of inl, a low solution of inling is made, and other to base to extract O.I. gibb of Is, NF 135-1405 (from pleafied). On neuting of ND of Is with componitate or bl., at (Oc, trice is bottains ND of Is. Proceeding destination see RZEREIM, 1935, No 19, 17657. — T. Shoresteen.

POLISD/Chemical Technology. Chemical Products and Their Application. Pesticides.

II-18

TOTAL STATE OF THE STATE OF THE

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5860. Author : Eckstein, Zygmunt; Hetmarski, Bodumil; Urbenski, Tedeusz.

Inst Chemical Means of Control of Fungi. II. Concerning Some Title

Derivatives of H-fillyl- and -Phenylmereurobenzoxazelone

and 6-Chlorobenzozazalone.

Or. g Pub: Przen. chem., 1958, 37, No 1, 44-46.

Abstract: M-allyl- or M-phenylmercurobenzoxazolynes and corres-

positing derivative 6-malidebenzoxazelanes, as well as corresponding derivatives of 6-halidebeam mezelones of the general formula (I) are propored by the action of Rigial or Canguagococo ; on He or Ag salts of being exceptione (II) and 6-halidebenzoxezele. 0.01 note of IV is added to

: 1/4 Card

101

CIA-RDP86-00513R001858020015-1" APPROVED FOR RELEASE: 04/03/2001

POLIND/Chemical Technology. Chemical Products and Emeir Application. Posticides.

H-18

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5860.

the solution of 0.01 mole of C3H-HgCl (or C3H-HgDr),

Cord : 2/4

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001858020015-1"

POLID/Chemical Technology. Chemical Products and Wear Application. Postiondes.

11-18

THE STREET OF THE PROPERTY OF

Abs Jour: Ref Zhur-Khin., 15 2, 1959, 5860.

stirred for 15 id., 25 id of water is added, and I

(R = C₁N₇, Y = N) is obtained; yield 50.%, nelt. p.
105 - 1070 (from 50; alcohol). The following were
prepared in a similar way (Ys, Rs, yield in %) and
melting points in C are enumerated): N, Cl., 42.9,
156 - 158; N, C₂N₅, 50.6, 133.5 - 135.5; N, n-C₁N₇,
56.4, 96 - 98; N, n-C₂N₁, 48.8, 92-93.5; Cl, Ch₃,
10.5, 193 - 195; Cl, C N, 52.5, 161 - 163; Cl, inC₂N₇, 65.9, 117.5 - 119; Cl, n-C I, 44.2, 95 - 97;
Cl, n-C₂N₁, 34.5, 83.5 - 84.5; Br, n-C₄N₆, 53.2, 111 112; I, n-C₄N₆, 44.2, 108.5 - 110. 1.7 g of 6-chlorobenzoxazolone and later 3.4 g of CN₃COONGC₄N₅ in 20 rd
of absolute alcohol are added to the solution of 0.2 g
of Na in 25 rd of absolute alcohol. After stirring,

Carā : 3/4

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POLAMD/Chemical Technology. Chemical Products and Their Application. Posticides.

H-18

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5860.

15 nl of water is added and I (R = C₁H₁; Y = Cl) is obtained, Yield 73.7, solds, p. 216 = \$180 (from the nixture alcohol: water: acctome = 43: 7: 25).

I (R = C₁H₂, Y = Cl) /sic!/ was obtained in a similar way, yield 70.7%, noit. p. 200 - 2020. N-alkyl derivatives in the concentration of 0.00005% suppress the growth of Fusarium culmorum, Alternaria tenuis and Misoctomia soland. The H-phonyl derivatives are less active. See RZhKhim, 1958, 15568 for part I. - A. Grapov.

Card : h/4

POLAND/Chemical Technology - Chemical Products and Their Application. Pesticides.

н.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36163

Author

: Eckstein, Z., Hetnarski, B., Urbanski, T.

Inst

:

Title : Chemic

: Chemical Means in the Struggle Against Fungi. III.

Concerning Certain S-Alkyl- and S-Phenylmercury Derivatives of 2-mercaptobenzimidazole and 2-mercaptobenzoxa-

zole.

Orig Pub

: Przem. chem., 1958, 37, No 3, 160-161.

Abstract

: 2-(S-alkylmercurmercapto)-benzimidazole and -benzoxazole of the general formula (I) - where R is CH₃, C₂H₅, n-C₃H₇, n-C₄H₉, n-C₅H₁₁, C₆H₅, and Z is IIH, O - are obtained by the action of RH₂X (where X = Cl, Br, I or CH₃COO) on the Na salt of 2-mercaptobenzimidazole or 2-mercaptobenzoxazole (II). To a solution of CH₃ON₂, obtained from 0.013 mol of Na and 40 ml of CH₃OH,

Card 1/3

POLAND/Chemical Technology - Chemical Fractions
Application. Festicides.

Ales Jour : Ref Zhur - 19 (Int/ya, No. 10, 1956, 3640)

0.013 and of neglectic HgCl or heC5 $\rm H_{11}$ HgBr are added, stirved with softwated C for 10 minutes, and I is obtained (k - 1.-C5 $\rm H_{11}$; Z - NH); yield, 37.7%; molting point, 134-135.50 from CH3OH). Analogously,

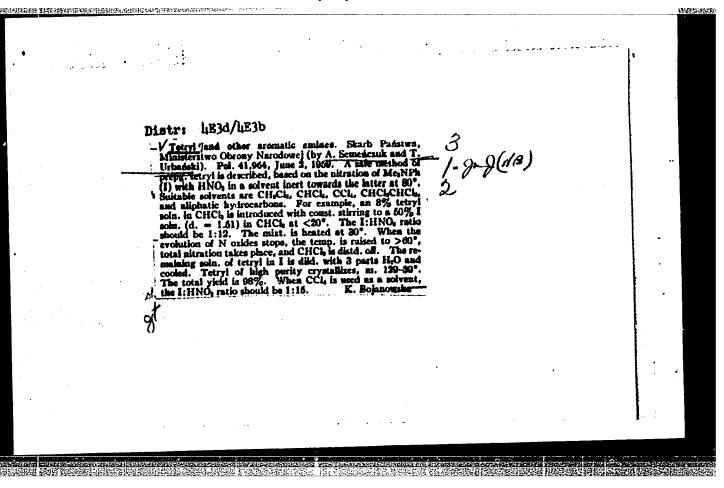
there are synthesized (Z, R, yield in percentages, melting point in centigrades are indicated): NH, n-C₄H₉, 48.8, 146-148; 0, CH₃, 54.1, 114-115.5; 0, C₂H₅, 60.5, 64.65; 0, n-C₃H₇, 33.8, 56.58; 0, n-C₄H₉, 36, 6, 38-39.5. To a solution of C₂N₅CNIa from 0.2 g of Na and 25 nl of absolute alcohol, 1.5 g of II are added, and then

Card 2/3

11-104

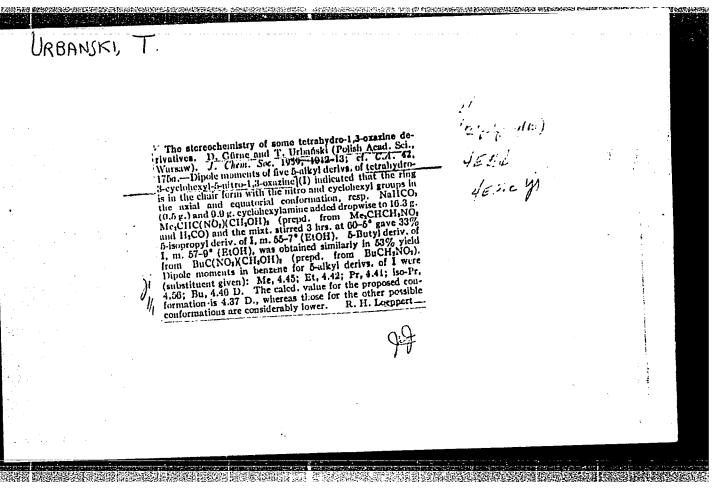
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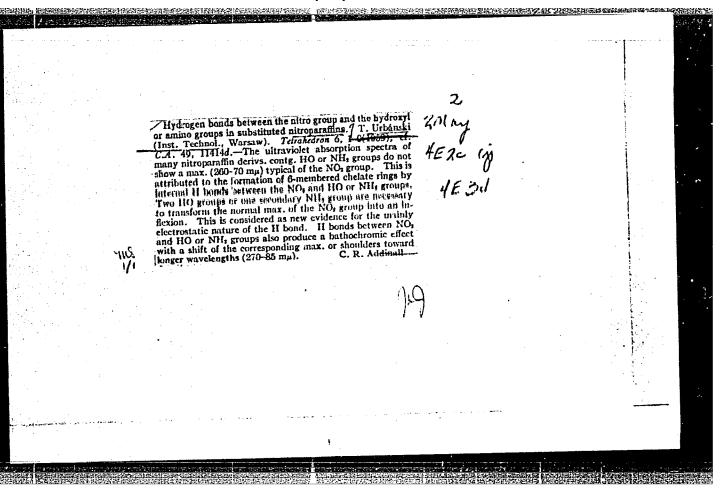
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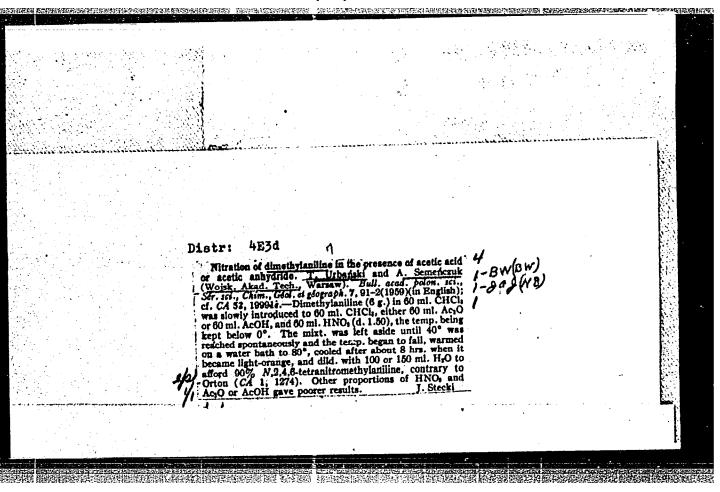


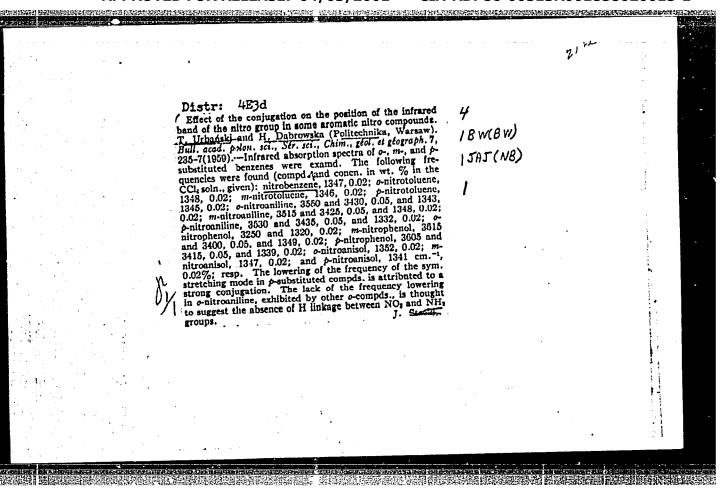
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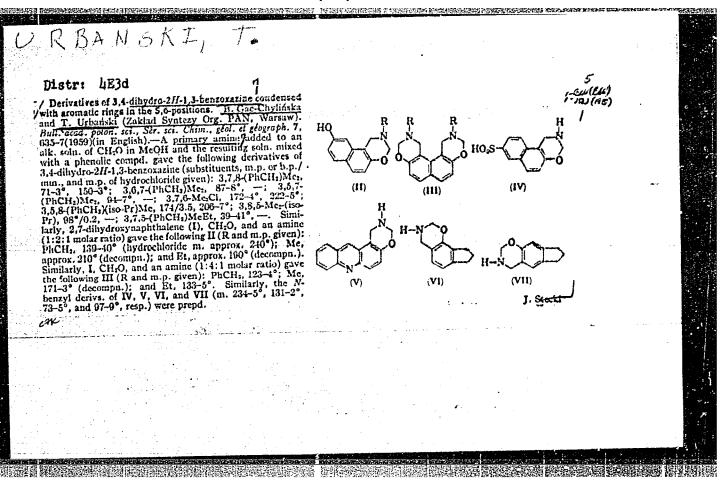
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URBANSKI, T.; SZYC-LEWANSKA, K.; KALINOWSKI, P.

On products of nitration of methylene blue. Bul Ac Pol chim 7 no.3:
147-149 '59.

1. Technical Military College, Warsaw. Communicated by T.Urbanski.
(Methylene blue) (Nitration)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001858020015-1"

CIA-RDP86-00513R001858020015-1 "APPROVED FOR RELEASE: 04/03/2001

POLAND/Optics - Spectroscopy.

K

UNICONSTRUCTION OF THE PROPERTY OF THE PROPERT

: Ref Zhur Fizika, No 4, 1960, 9953 Abs Jour

Urbanski, T., Kuczynski, W., Hofman. W., Urbanik, H., Author

Witanovski, M.

Inst

The Infrared Absorption Spectra of Extracted Coals Title

: Bull. Acad. polon. sci. Ser. sci. chim., geol. et Orig Pub

geogr., 1959, 7, No 4, 207-214

: In the region 750 -- 4500 cm⁻¹, the authors have investi-Abstract

gated the infrared absorption spectra of several natural coals with different degree of carbonization: brown coal (I), hard coal (III), and anthracite (III) after extraction with a mixture of benzene (70%) with ethanol (30%). It is noted that as the increase of the carbon contents in the specimens of the coal increases, the overall background of their spectral absorption increases, particularly in the short wave region, this being explained

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POLAND/Optics - Spectroscopy.

K

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9953

by the graphitization of the structure of the coal. In spectra of I, an intense absorption band near approximately 3350 cm⁻¹ is observed, corresponding to the vibrations of the hydroxyl groups. Its intensity decreases with carbonization of the coal. In addition, bands are observed in the spectra near 1690 cm⁻¹ (carbonyl group of aromatic ketones) a group of bands in the region of 1150 -- 1280 cm⁻¹ (valent vibrations of the C -- O bonds in phencis and ethers and deformation vibrations of the OH group;) and many absorption bands of silicate impurities. The intensities of the bands of absorption of creanic impurities decreases upon going from spectra of I to the spectra of II and III. Bibliography, 11 titles. -- A.N. Sidorov

Card 2/2

POLAND/Optics - Spectroscopy.

K

Abs Jour

: Ref Zhur Fizika, No 4, 1960, 9948

Author

: Urbanski, T., Hofman, N., Witanowski, M.

Inst

Title

Infrared Absorption Spectra of Some Polycyclic Vat Dyes

Deriving from Antraquinone

Orig Pub

: Bull. Acad. polon sci. Ser. sci. chim. geol. et geogr.,

1959, 7, No 4, 215-221

Abstract

In the region 750 -- 4500 cm⁻¹, infrared spectra were obtained for the absorption of polycyclic vat dyes deri-

ved from antraquinone. An interpretation of the absorp-

tion bands is given.

Card 1/1

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POLAND/Optics - Spectroscopy.

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Abs Jour

: Ref Zhur Fizika, No 4, 1960, 9929

Author

Urbanski, T., Dabrowska, U.

Inst Title

The Influence of the Conjugation on the Position of the Infrared Band of the Nitro Group in Some Aromatic Nitro

Compounds

Orig Pub

: Bull. Acad. polon. sci. Ser. sci. chim. geol. et georgr.,

1959, 7, No 4, 235-237

Abstract

: The authors have measured the position of the absorption band, corresponding to a symmetrical valent vibration of the nitro group in ortho, meta, and para nitro derivatives of toluol, aniline, phenol, anisol, and also in nitro benzene. To reduce the inter-molecular interactions, the investigated compounds were dissolved in carbon tetrachloride, (concentration 0.02 -- 0.25% by weight). It was found that the conjugate nitro groups with the benzene ring

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POLAND/Optics - Spectroscopy.

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Abs Jour : Ref Zhur Fizika, No 4, 1960 9929

lead to a reduction in the frequency of the absorption band of the nitro group. The para derivatives are absorbed in the region 1332 -- 1345 cm⁻¹, and the meta derivatives -- in the region 1346 -- 1349 cm⁻¹. In the ortho derivatives the conjugation is difficult owing to the space obstacles and the frequencies of the nitro group frequencies of the same order of magnitude as in the meta derivatives (1343 -- 1352 cm⁻¹). An exception is ortho nitro phenol (1320 cm⁻¹), owing to the presence of intermolecular hydrogen bond between the nitro group and the hydroxyl group. -- A.N. Sidorov

Card 2/2

ECKSTEIN, Z.; GROCHOWSKI, E.; URBANSKI, T.

On the fungicidal activity of derivatives of 2-nitropropanediol-1,3.
Bul Ac Pol chim 7 no.5:289-294 *59. (EKAI 9:9)

1. Institute of Organic Synthesis, Polish Academy of Sciences.
Presented by T.Urbanski.
(Nitropropanediol) (Fungicides)

URBANSKI, T.; HOFMAN, W.; OSTROWSKI, T.; WITANOWSKI, M.

Infrared absorption spectra of products of carbonization of cellulose. Bul.Ac.Pol.chim. 7 no.12:851-859 159. (ERAI 9:5)

THE PROPERTY OF THE PROPERTY O

1. Laboratory of organic synthesis, Polish Academy of Sciences.

Department of Organic Technology, Warwaw Technical University.

(Absorption spectra) (Spectrum, Infrared) (Carbonization)

(Cellulose)

URBANSKI, T.; HOFMAN, V.; WITANOWSKI, N.

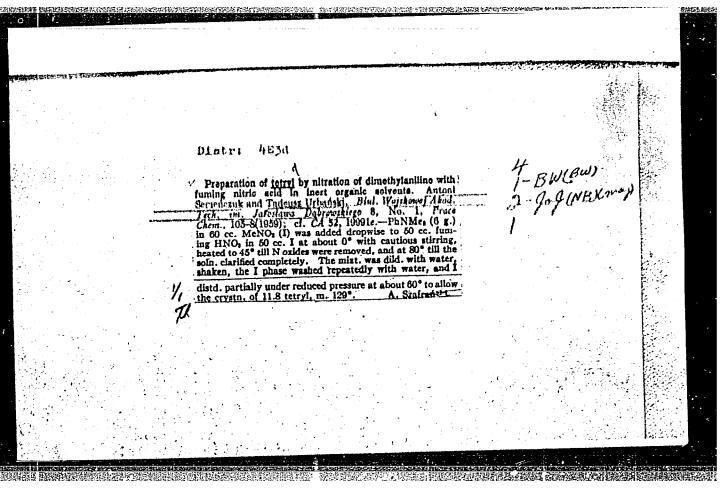
Infrared absorption spectra of products of carbonization of lignin. Bul.Ac.Pol.chim. 7 no.12:861-859 '59. (ERAI 9:5)

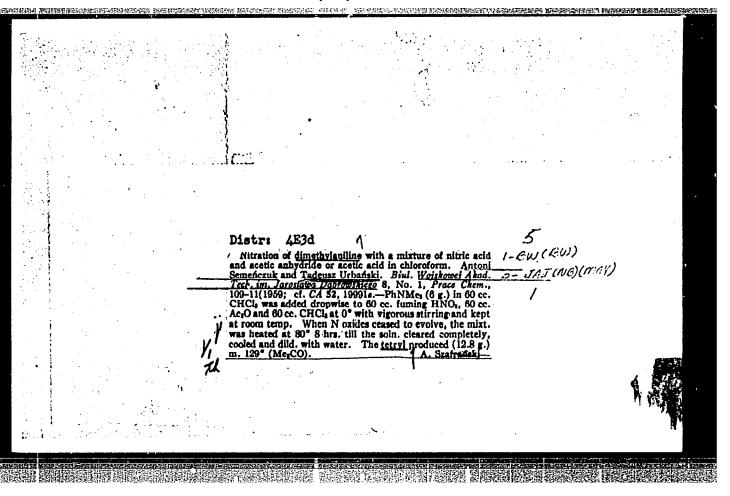
1. Laboratory of Organic Synthesis, Polish Academy of Sciences.

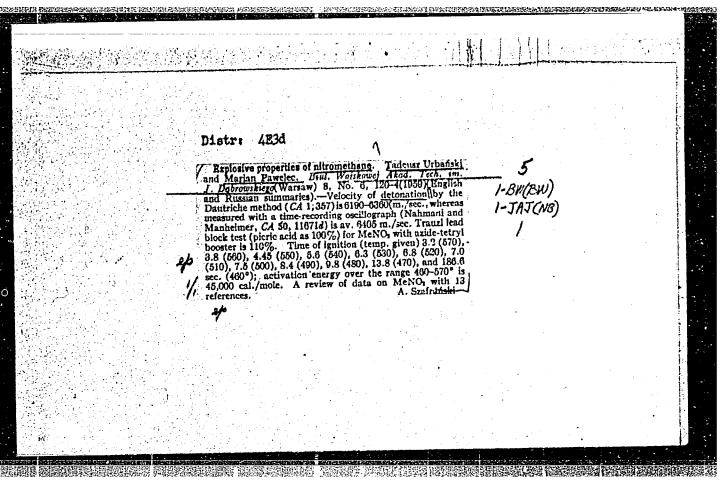
Department of Organic Technology, Warsaw Technical University.

(Absorption spectra) (Spectrum, Infrared) (Carbonization)

(Lignin)







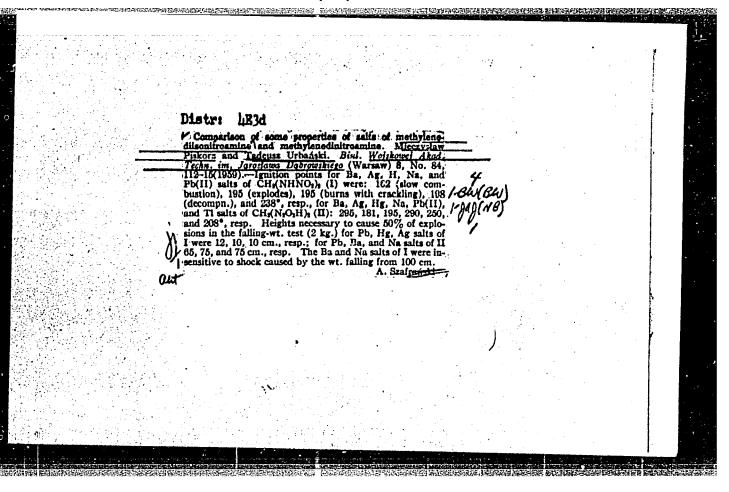
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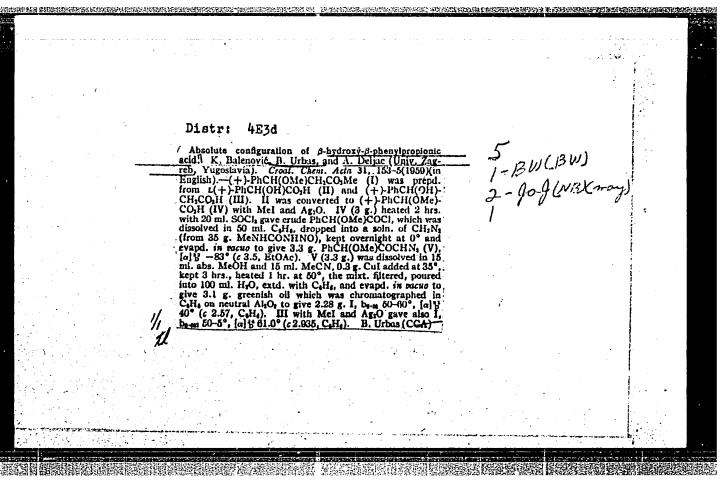
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V Properties of tetranitromethane. I. Thermal analysis of binary systems including tetranitromethane. Tadeuaz Urbański, Mieczysław Piskors, Władysław Cetner, Miroski Maciejewski. Bist. Wolthows! Aka. Tah. im. J. Dafrowshi (Warsaw) 8, No. 43, 24-36(1969) (Buglish and Russian summaries).—Systems of tetranitromethane (I), b. 25-7°, m. above 13.9°, d. 1.644, with (m.p. given) benzene (above 5.4°) (II), nitrobenzene (above 5.5°) (III), ρ-nitrotoluene (above 51.0°) (IV), α₁- and β. o-dinitrotoluenes (-10 and -4°) (α-V, β-V), 1-nitronaphthalene (58.8°) (VI), 13-dinitrobenzene (90.1°) (VII) 2/4,6-trinitrotoluene (80.5°) (VIII), and Tetryl (129.5°) (IX), were examd. to find admixts. depressing the m.p. of I without affecting other properties. The eutectics (% of I given) were: I (70)-II, eutectic temp. -16.1°, I(57)-III -19.1°, I (82.5)-IV 1.5°, I(42.5)-α-V -24.0°, I (47.5)-β-V -28.5°, I (90)-VI 9.3°, I (97)-VII 11.3°, and I (97)-VIII 12.3°, did not meet the stoichiometric O requirement for a propellant, and I sepd. as liquid phase. I-IX showed from I 25 to 92% a limited soly. I heated with Hexogen or 2,4-dinitroaniline to tempe, above its b.p. underwent evapn. and decompn. II. The explosive properties (of binary mixtures of tetranitromethane with some combustible or explosive substaness. Tadeusz Urbański, Mieczysław Piskorz, Mirosław Maciejewski, Władysław wi

Cetner. Ibid. 37-41 .- Velocity of detonation (Vin m./cec.) Cetner. Ibid. 37-41.—Velocity of detonation (V In m./cec.) according to Dautriche and Trauzi lead block enlargement (E in ec.), and brisance (Hess test on 25-g. sample with Pb cylinders: (a) according to Hess or (b) 22 mm. thick and 50 mm. in diam. (Meyer, CA 23, 4344) (B in mm.)) were: I-(88.25)-II d. of cartridge 1.47, V 7180 (and 9180) E 519, B 22.0 (cylinder b), I (78.70)-IV d. 1.52, V 8170, E 496, B 22.0 (cylinder b), I (78.70)-IV d. 1.52, V 7730, E 479, B 18.0 (cylinder b), I (78.70)-V d. 1.52, V 7730, E 479, B 18.0 (cylinder b), I (80.30)-VI d. 1.52, V 7730, E 479, B 18.0 (cylinder a), I (80.30)-VII d. 1.53, V 6670, E5 64, B 9.5 (cylinder a), I (65.95)-VIII d. 1.53, V 6670, E5 64, B 9.5 (cylinder a), I (49.00)-IX, d. 1.63, V 7100, E 569, B deformation of cylinder a, VIII itself d. 1.50, E 351, B 13.0 (cylinder b), and diethylene glycol dinitrate E 492. Sensitivity to impact as detd. by the Kast falling wt. test, expressed as work in kg. m. required to cause 50% of explosions, was: I (49.00)-IX 3, and IX 6.5-8 kg. m. Time required to ignite the explosive fastened to the end of a pendulum deflected by α degrees, was: II 0 sec. at α 45-50°, I (66.25)-II 0 sec. at α 25°, I-II of varying compn. 0 sec. at α 13°, other systems 50 sec. at α 0°.

A. Szafrański. according to Dautriche and Trauzi lead block enlargement





Urbanski, T.

SCIENCE

PERIODCIAL: ROCZNIKI CHEMII, Vol. 31, No. 2, 1959

URBANCSKI, T. Aliphatic nitro compounds. XXXI. Ther preparation of alcohols from primary nitroparaffins and formaldehyde. p. 695

Monthely List of East European Accessions (EEAI) LC Vol. 8, No. 4.

April 1959, Uncalss

THE CHARLEST OF THE CONTROL OF THE C

URBANSKI, T.

Derivatives of azoxybonzene. I. Products of nitration of p,p'-azoxyanisole. Tadeusz Urbański and Jerzy Urbański (Politechnika, Warszw).—Rosswii Chem. 33, 089-85 (1059) (English summaries).—Bytidence was given by Angeli (C.A. 11, 1160) that the azoxy group in aromatic compds. possesses an usym. structure, N(O): N. The authors suggest that, denoting two aromatic rings by A and B, the ring nearest the N(O) moiety would be called the B ring. The substituents of the B ring would be called the B ring. The substituents of the B ring would be called the B ring is less readily nitrated than the A ring. The following compds, are obtained: tetranitro deriv: of I (m. 235-40°), 4,4'-dimethoxy-3,3'-dinitro- (m. 210-12°) and -3,5,3'-traitroazoxybenzene (m. 170-80°), N,N'-diacetylaminoanisole (m. 203-6°), 2,6-diacetylamino-4-hydroxyanisole (m. 230-34°), 4-acetylhydroxyanisole (m. 168-202°), 11 Position isomers of ussymmetrical derivatives of 3,5,3',5'-tetranitroazoxybenzene. I Ibid. 687-92.—The lack of symmetry of trimitrodizitynisole, producing different mobilities of the methoxy groups, enables one to obtain a no. of pairs of position isomers of derivs. of 3,5,3',5'-tetranitroazoxybenzene (I). The following ones are obtained: 4-chloro-4'-hydroxy- (m. 185-6°), 4-methoxy-4'-chloru- (m. 203-4°), 4-oro-4'-hydroxy- (m. 196-201°), and 4-hydroxy-4'-chloru- (m. 203-4°), 4-oro-4'-hydroxy- (m. 196-201°), and 4-hydroxy-4'-chloru- (m. 203-4°), 4-oro-4'-hydroxy- (m. 196-201°).

explained as due to the unsym. structure of the azoxy group according to the Angeli hypothesis. The reactivity of the OMe group attached to the B ring is higher than of the group when on the A ring. III. Products of nitration of p.p'-azoxydimethylaniline. Ibid. 603-702.—Nitration of 4.4'-bis(dimethylanilno)azoxybenizene with 80% HNOs gave 4.4'-bis(methylanilroamino)-3.5,3',5'-tetranitroazoxybenizene (I), m. 208-9° (decompn.). The structure of azoxyteryl, analogous to that of tetryl, the product of nitration of dimethylaniline, is postulated for I. Attempts to prove it by prepn. of I from retranitroazoxyanisole (II) give the following products. Heating of II with HBr in AcOliyields 4.4'-dihydroxy-(III) (m. 180-7*), and chlorination of III with p-toluenesullonyl chloride gives 4.4'-dichloro-3.5,3',5'-tetranitroazoxybenizene (IV) (m. 220-8*). IV with methylamine (V) in BtOII, gives 4.4'-dimethylamino (VI) (m. 200-1*) and in toluene soln. VI and 4-chloro-4'-methylamino deriv. (VII) (m. 207-8*). The formation of VII is an addnl. proof of the unsym. structure of the azoxy group. Nitration of VI gives I. A. Kryslavski

30=0(NB) H=37

4=20 gp

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	Distr: 4E3d		
L	Ruchange reactions of halogen for halogen in some chloro acide. 1 Todousz Urbański and Przemysław Giszińs (Politechnika, Warsaw). Rozsniń Chem. 13, 1031-11859 (Ruglish sammary).—Heating a-bromo-5-(p-nitrophenyl)propionitrile (I) with 20% HCl gave a-chloro-5-(altrophenyl)propionic acid (II) and only hydrolysis with 48 HBr yielded a-bromo-5-(p-nitrophenyl)propionic acid (II Hydrolysis of II nitrile with HBr gave III. The same suits were obtained for corresponding amides. If heat with HBr gave III and vice versa. In order to find wheth the halogen atom in a-nitriles/can be exchanged without hydrolysis of the nitrile group I and II nitrile were heat with satd. KCl or KBr solns., resp.; 30% of Br deriv. we transformed into Ci deriv. and 17% of Ci deriv. to Br der	TO 4 (16) TO 1 (16)	and desired the same of the sa
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URBANSKI, T.; LANGE, J.

Preparation of derivatives of phenylsuccinic acid. 1. Preparation of p-halo-phenylsuccinic acids. p. 197

ROCZNIKI CHEMII. (POLska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 1, 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 9, September 1959. Uncl.